BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: *Estimate for Improvements to Roads and Drains at Doddabommasandra Old Village in ward no 10 Vidyaranyapura Sub Division.*

Estimated Cost: Rs. 15.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: Estimate for Improvements to Roads and Drains at Doddabommasandra (
Village in ward no 10 Vidyaranyapura Sub Division.

							Estimate Cost:		1500000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 152 / Item No. 19.2 / PWD SR 2013-14**	Cum							
	CC Drain		1	85.00	1.00	0.90	76.50		
			2	80.00	1.00	0.90	144.00		
							220.50	90.72	**20004.**
	Basic Rate	84.00							
	Area Weightage @8%	6.72							
	Total	**90.72**							
2	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **Page No. 12 / Item No. 4.3 PWD SR - 2013-14**	Cum							
	CC Drain		1	85.00	1.00	0.15	12.75		
			2	80.00	1.00	0.15	24.00		
							36.75	4290.84	**157688.00**
	Basic Rate	3973.00							
	Area Weightage @ 8%	317.84							
	Total	**4290.84**							
3	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as **walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.17 / Item No. 4.31 PWD SR - 2013-14**	Sqm							
	For RCC Drain Side Walls		4	85.00		0.75	255.00		
			8	80.00		0.75	480.00		
	Covering Slab Bottom		1	85.00	0.60		51.00		
			2	80.00	0.60		96.00		
	Covering Slab Sides		2	85.00		0.15	25.50		

Sl No	Description	Unit	No.	L	B	D	Qty	Rate	
			4	80.00		0.15	48.00		
							955.50	271.08	
	Basic Rate	251.00							
	Area Weightage @ 8%	20.08							
	Total	**271.08**							
4	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13 / Item No. 4.11 PWD SR - 2013-14**	Cum								
	Bottom		1	85.00	0.90	0.15	11.48		
			2	80.00	0.90	0.15	21.60		
	Side Walls		2	85.00	0.15	0.60	15.30		
			4	80.00	0.15	0.60	28.80		
	Covering Slab		1	85.00	0.90	0.10	7.65		
			2	80.00	0.90	0.10	14.40		
							99.23	5639.76	559
	Basic Rate	5222.00							
	Area Weightage @ 8%	417.76							
	Total	**5639.76**							
5	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19 / Item No. 4.46.2 PWD SR 2013-14 TMT bar Fe 500**	Qntl							
			0.65	99.23			64.50		
							64.50	7450.92	480558
	Basic Rate	6899.00							
	Area Weightage 8%	551.92							
	Total	**7450.92**							

Sl. No.	Description	Unit	No.	L	B	D	Qty	Rate
6	Cost for Disposal of Debris shall be payable at Tonnage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum						
			Vide Item No. 1				**110.25**	72.7
	Average weight of earth 1.28 tonne / kg for 2m1.28X2.00=5.12	5.12						
	Add loading and unloading Vide item no.17.1 P.no.141	62.20						
		67.32						
	Area Weightage @ 8%	5.39						
	Total	**72.71**						
7	For Third Part QC inspection Charges @ 1% of Estimate Cost							
8	Miscellaneous and other Charges	L/S						
								Total

(Rs. Fifteen Lakhs Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara P
Vidayranyapura Sub Divisio

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092

ADMINISTRATIVELY SANCTIONED FOR Rs. 15.00 lakh

Rupees Fifteen Lakhs Only

Under

Registered as EE ( ) No 3....9....

Subject to conditions contained in enclosed memo EE ( ) No /9/...

Dt Estimate A/Sanctioned

Addl Com(y). A.S No 652/13-14.

dated 23-12-13 Rs 15.00 Lakhs

Technical Sanction for Rs. 15.00
Fifteen Lakhs o

SE/BTP/180/13-14.

Registered as EE for 23/12/13 Dated
to conditions contained enclosed memo.
No:

AEE/E

Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92